

Exhibit 20. Number of science textbook topics. U.S. textbooks included far more science topics than typical internationally in all three grades for which we analyzed textbooks. The science differences are even larger than the mathematics differences. It was also in strong contrast to Germany and, especially, Japan. [The gray bars show how many topics, averaged across a country's textbooks, were in the science books at the upper grades of Populations 1 and 2 (U.S. grades 4 and 8) and for the science specialists of Population 3. The bars extend from the 25th percentile to the 75th percentile among countries in the number of topics for each population. The black line indicates the median number of topics for each population. We marked the U.S., Germany, and Japan individually. German textbook data were not available for Populations 1 and 3.]

